

# **INTERNAL WELD PROFILE GAUGE**

## **ABSTRACT OF THE DISCLOSURE**

5           A tool for inspecting and verifying weld beads in a pipeline includes a  
plate-like structure which has a surface and edges adapted for inspecting and  
verifying various weld bead attributes. The surface is imprinted with several  
identification marks, including for example, wall thicknesses and ratios of  
weld bead width to wall thickness. The tool can be used to verify weld bead  
10       convexity, weld bead concavity, and weld bead width for many different wall  
thicknesses. The tool is capable of verifying weld bead width and axial  
alignment of successive sections of pipe along the pipeline. All verifications  
and measurements are visual and tactile, without need for complex machinery  
or calculations, and can be accomplished with a single, lightweight tool.  
15       Additionally, a single tool can be used to verify weld beads for a variety of  
different pipe thicknesses.

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